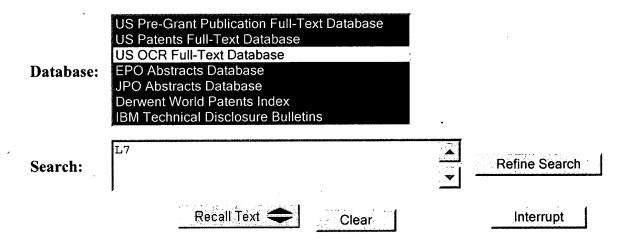
## **Refine Search**

## Search Results -

Terms	Documents
L4 and ((polydispersity near index) or polydispersity or (Mw/Mn))	27



## Search History

DATE: Saturday, November 24, 2007 Purge Queries Printable Copy Create Case

Set Name side by side	Query .	Hit Count	Set Name result set
DB =	PGPB, USPT, EPAB, JPAB, DWPI, TDBD; PLUR=YES; OP=OR		
<u>L7</u>	L4 and ((polydispersity near index) or polydispersity or (Mw/Mn))	27	<u>L7</u>
<u>L6</u>	L4 and ((particles near size near distribution) or (size near distribution) or polymodal or bimodal or dimodal or trimodal)	1	<u>L6</u>
<u>L5</u>	L4 and ((size near distribution) or polymodal or bimodal or dimodal or trimodal)	1	<u>L5</u>
<u>L4</u>	L3 and (nanoparticles or (nano-particles) or micron)	38	<u>L4</u>
<u>L3</u>	6437050	38	<u>L3</u>
<u>L2</u>	76437050	0	<u>L2</u>
<u>L1</u>	6689469.pn.	2	<u>L1</u>

END OF SEARCH HISTORY

## **Hit List**

First Hit **Fwd Refs Bkwd Refs** Clear Generate Collection Print: **Generate OACS** 

**Search Results -** Record(s) 1 through 27 of 27 returned.

1. Document ID: US 20070238836 A1

L7: Entry 1 of 27

File: PGPB

Oct 11, 2007

PGPUB-DOCUMENT-NUMBER: 20070238836

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070238836 A1

TITLE: Multi-Layer Nano-Particle Preparation and Applications

PUBLICATION-DATE: October 11, 2007

INVENTOR-INFORMATION:

CITY STATE COUNTRY NAME

Hudson OH US Wang; Xiaorong US Foltz; Victor J. Akron OH

US-CL-CURRENT: 525/313

L7: Entry 2 of 27

n Front Review Classification Date Reference Sequences Attachments Claims KiniC Draw.	s   Claims	Attachments	Sequences	Reference	Date	Classification	Review	Front	Citation	Title	Full

2. Document ID: US 20070196653 A1

File: PGPB

'Aug 23, 2007

PGPUB-DOCUMENT-NUMBER: 20070196653

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070196653 A1

TITLE: Vulcanizable nanoparticles having a core with a high glass transition

temperature

PUBLICATION-DATE: August 23, 2007

INVENTOR - INFORMATION:

STATE COUNTRY CITY NAME US OH Hall; James E. Mogadore Saumur OH FR Warren; Sandra IT Milano Scurati; Alberto US Wang; Xiaorong Hudson

US-CL-CURRENT: 428/402

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	1504C	Бланц Бн
		· · · · · · · · · · · · · · · · · · ·										

7. Jocument ID: US 20070185273 A1

L7: Entry 3 of 27

File: PGPB

Aug 9, 2007

PGPUB-DOCUMENT-NUMBER: 20070185273

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070185273 A1

TITLE: Polymeric Nano-Particles Of Flower-Like Structure And Applications

PUBLICATION-DATE: August 9, 2007

INVENTOR-INFORMATION:

STATE COUNTRY CITY NAME

Hudson OH US Wang; Xiaorong JР Tokyo . OH Ozawa; Yoichi Hall; James E. Mogadore US

US-CL-CURRENT: 525/242

Full Title Citation	Front	Review	Classification	Date	Reference	Sequences	Attachmenta	Claims	RoofC	Drawt Do
		-								

4. Document ID: US 20070149649 A1

L7: Entry 4 of 27

File: PGPB

Jun 28, 2007

PGPUB-DOCUMENT-NUMBER: 20070149649

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070149649 A1

TITLE: Non-spherical nanoparticles made from living triblock polymer chains

PUBLICATION-DATE: June 28, 2007

INVENTOR - INFORMATION:

CITY STATE COUNTRY NAME OH US Hudson Wang; Xiaorong Massillon OH US Rackaitis; Mindaugas Akron OH US Foltz; Victor J. Tallmadge OH US Kelly; Edward D. Copley OH US Yan; Yuan-Yong

US-CL-CURRENT: 523/201; 977/754

5. Document ID: US 20070142550 A1

L7: Entry 5 of 27

File: PGPB

Jun 21, 2007

PGPUB-DOCUMENT-NUMBER: 20070142550

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070142550 A1

TITLE: Combined use of liquid polymer and polymeric nanoparticles for rubber

applications

PUBLICATION-DATE: June 21, 2007

INVENTOR-INFORMATION:

STATE COUNTRY NAME CITY Scurati; Alberto Milano OH IT Hudson US OH Wang; Xiaorong Massillon OH US Warren; Sandra M. Akron US Robertson; Christopher G.

US-CL-CURRENT: 525/70

Full Title Cita	ation Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	10MC	Craw, Cr

☐ 6. Document ID: US 20070027264 A1

L7: Entry 6 of 27 .

File: PGPB

Feb 1, 2007

PGPUB-DOCUMENT-NUMBER: 20070027264

PGPUB-FILING-TYPE: us-original-publication-amended

DOCUMENT-IDENTIFIER: US 20070027264 A1

TITLE: Multi-Layer Nano-Particle Preparation and Applications

PUBLICATION-DATE: February 1, 2007

INVENTOR-INFORMATION:

STATE COUNTRY CITY NAME Hudson OH US Wang; Xiaorong OH US Foltz; VictorJ Akron US MΑ Krom; James Belmont

US-CL-CURRENT: 525/314; 525/313, 525/332.2, 525/332.9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	10040	Erraio, Co
		•							-			

7. Document ID: US 20060084722 A1

L7: Entry 7 of 27

File: PGPB

Apr 20, 2006

PGPUB-DOCUMENT-NUMBER: 20060084722

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060084722 A1

TITLE: Self assembly of molecules to form nano-particles

PUBLICATION-DATE: April 20, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bohm; Georg G. A.	Akron	ОН	US
Wang; Xiaorong	Hudson	ОН	US
Lin; Chenchy Jeffrey	Hudson	ОН	us
Hall; James E.	Mogadore	ОН	us
Warren; Sandra	Massillon	ОН	US
Krom; James A.	Belmont	MA	US
Kondo; Hajime	Tokyo		JP
Morita; Koichi	Tokyo		JP

US-CL-CURRENT: <u>523/200</u>; <u>525/313</u>

Full	Titl∈	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	ROTO	Draw, Do
					<u></u>			······································		•		
Г	8.	Docume	nt ID:	US 20	060083926	<b>A</b> 1						

File: PGPB

PGPUB-DOCUMENT-NUMBER: 20060083926

PGPUB-FILING-TYPE:

L7: Entry 8 of 27

DOCUMENT-IDENTIFIER: US 20060083926 A1

TITLE: NANO-SIZED POLYMER-METAL COMPOSITES

PUBLICATION-DATE: April 20, 2006

INVENTOR-INFORMATION:

MAME	CITY	STATE	COUNTRY
Wang; Xiaorong	Hudson	ОН	US
Hall; James E.	Mogadore	ОН	US
Bohm; Georg G.A.	Akron	ОН	US
Lin; Chenchy Jeffrey	Hudson	ОН	US

US-CL-CURRENT: 428/407

Full Title Citation Front Review Classification Date Reference Sequences Attachments (	Claims R	mic transfe

9. Document ID: US 20060008618 A1

L7: Entry 9 of 27

File: PGPB

Jan 12, 2006

Apr 20, 2006

PGPUB-DOCUMENT-NUMBER: 20060008618

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060008618 A1

TITLE: Hydrophobic surfaces with nanoparticles

PUBLICATION-DATE: January 12, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Wang; Xiaorong Hudson OH US Wang; Hao Copley OH US

US-CL-CURRENT: 428/143

Full	Titl∈	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	10040	Drawt De

☐ 10. Document ID: US 20050239972 A1

L7: Entry 10 of 27 File: PGPB Oct 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050239972

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050239972 A1

TITLE: Polymer nano-strings

PUBLICATION-DATE: October 27, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Wang, Xiaorong Hudson OH US

 $\text{US-CL-CURRENT: } \underline{525/313}; \ \underline{525/314}, \ \underline{525/332.2}, \ \underline{525/332.9}, \ \underline{525/338}, \ \underline{525/339}$ 

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims 1900C Draw. De

☐ 11. Document ID: US 20050228074 A1

L7: Entry 11 of 27 File: PGPB Oct 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050228074

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050228074 A1

TITLE: Amphiphilic polymer micelles and use thereof

PUBLICATION-DATE: October 13, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Record List Display

Warren, Sandra M.

Massillon

·OH

US

Wang, Xiaorong

Hudson

OH

US

US-CL-CURRENT: 523/201; 428/403, 428/407

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	10,040	Draw, D-
								-				

☐ 12. Document ID: US 20050197462 A1

L7: Entry 12 of 27

File: PGPB

Sep 8, 2005

PGPUB-DOCUMENT-NUMBER: 20050197462

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050197462 A1

TITLE: Multi-layer nano-particle preparation and applications

PUBLICATION-DATE: September 8, 2005

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Wang, Xiaorong

Hudson

ОН

US

Foltz, Victor J.

Akron

OH

US

US-CL-CURRENT: 525/313; 525/314, 525/332.2, 525/332.9, 525/338, 525/339

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Konto	Drawe Do

13. Document ID: US 20050192408 A1

L7: Entry 13 of 27

File: PGPB

Sep 1, 2005

PGPUB-DOCUMENT-NUMBER: 20050192408

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050192408 A1

TITLE: Nano-particle preparation and applications

PUBLICATION-DATE: September 1, 2005

INVENTOR-INFORMATION:

Record List Display Page 7 of 13

US-CL-CURRENT: 525/313

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Co

14. Document ID: US 20050154117 A1

L7: Entry 14 of 27

File: PGPB

Jul 14, 2005

PGPUB-DOCUMENT-NUMBER: 20050154117

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050154117 A1

TITLE: Polymeric nano-particles of flower-like structure and applications

PUBLICATION-DATE: July 14, 2005

INVENTOR - INFORMATION:

NAME CITY STATE COUNTRY

Wang, Xiaorong Hudson OH US
Ozawa, Yoichi Tokyo OH JP
Hall, James E. Mogadore US

US-CL-CURRENT: 524/493; 524/502, 525/331.9

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims 10MC Francis

T 15. Document ID: US 20040143064 A1

L7: Entry 15 of 27

File: PGPB

Jul 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040143064

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040143064 A1

TITLE: Polymer nano-strings

PUBLICATION-DATE: July 22, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Wang, Xiaorong Hudson OH US

US-CL-CURRENT: 525/191; 525/313, 525/326.1

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 16. Document ID: US 20030198810 A1

L7: Entry 16 of 27

File: PGPB

Oct 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030198810

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030198810 A1

TITLE: Nano-particle preparation and applications

PUBLICATION-DATE: October 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wang, Xiaorong	Hudson	ОН	US
Lin, Chenchy Jeffrey	Hudson	ОН	US
Hall, James	Mogadore	ОН	US
Warren, Sandra	Massillon	ОН	US
Krom, James	Belmont	MA	US
Kondo, Hajime	Tokyo		JP
Morita, Koichi	Tokyo		JP

US-CL-CURRENT: 428/401; 525/313, 525/314, 525/332.2

F	ا الر	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	10010	Drawt Co
	Γ	17.	Docum	ent ID	: US 2	003014918	5 A1						
L7	: E	ntry	17 of	27				File:	PGPB		Aug	7,	2003

PGPUB-DOCUMENT-NUMBER: 20030149185

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030149185 A1

TITLE: Multi-layer nano-particle preparation and applications

PUBLICATION-DATE: August 7, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Wang, Xiaorong Hudson OH US Foltz, Victor J. Akron OH US

US-CL-CURRENT: 525/313; 525/314, 525/332.2, 525/332.9

	Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawe De
_													
					Y 10. 7	000751 DO						***************************************	

☐ 18. Document ID: US 7238751 B2

L7: Entry 18 of 27

File: USPT

Jul 3, 2007

US-PAT-NO: 7238751

DOCUMENT-IDENTIFIER: US 7238751 B2

Record List Display

TITLE: Multi-layer nano-particle preparation and applications

DATE-ISSUED: July 3, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20070027264 A1

February 1, 2007

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Wang; Xiaorong

Hudson

OH

US

Foltz; Victor J.

Akron

ОН

US

US-CL-CURRENT: 525/313; 525/314, 525/332.2, 525/332.9

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G. (1)	T:41	College Storm	Frent	Desciona	Classification	Conta	Reference Barrier Branch Branch Drame De
7 (1)	Hille	CILATION	FIVIL	Ly en renn	Diassilisation	0.513.2	Metel 21102

☐ 19. Document ID: US 7205370 B2

L7: Entry 19 of 27

File: USPT

Apr 17, 2007

US-PAT-NO: 7205370

DOCUMENT-IDENTIFIER: US 7205370 B2

TITLE: Polymeric nano-particles of flower-like structure and applications

DATE-ISSUED: April 17, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050154117 A1

July 14, 2005

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Wang; Xiaorong

Hudson

OH

US JP

Ozawa; Yoichi Hall; James E. Kodaira Mogadore

OH

US

US-CL-CURRENT:  $\underline{526}/\underline{335}$ ;  $\underline{524}/\underline{314}$ ,  $\underline{524}/\underline{316}$ ,  $\underline{524}/\underline{332}$ ,  $\underline{526}/\underline{336}$ ,  $\underline{526}/\underline{346}$ ,  $\underline{526}/\underline{347.1}$ 

Full Title Citation Front Review Classification Date Reference

☐ 20. Document ID: US 7179864 B2

L7: Entry 20 of 27

File: USPT

Feb 20, 2007

US-PAT-NO: 7179864

DOCUMENT-IDENTIFIER: US 7179864 B2

Record List Display Page 10 of 13

TITLE: Polymer nano-strings

DATE-ISSUED: February 20, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050239972 A1

October 27, 2005

INVENTOR-INFORMATION:

NAME

CITY

STATE

Full Title Citation Front Review Classification Date Reference Company Company Company Date Reference

ZIP CODE

COUNTRY

Wang; Xiaorong

Hudson

OH

US

US-CL-CURRENT: 525/313; 525/314, 525/328.9, 525/332.2, 525/332.9, 525/338, 525/339

☐ 21. Document ID: US 7166306 B2

L7: Entry 21 of 27

File: USPT

Jan 23, 2007

US-PAT-NO: 7166306

DOCUMENT-IDENTIFIER: US 7166306 B2

TITLE: Method for preparation of block copolymeric nanoparticles

DATE-ISSUED: January 23, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20030229185 A1

December 11, 2003

INVENTOR - INFORMATION:

NAME

CITY

STATE

Full Title Citation Front Review Classification Date Reference

ZIP CODE

COUNTRY

Chen; Daoyong

Peng; Huisheng

Shanghai

CN CN

Jiang; Ming

Shanghai Shanghai

CN

US-CL-CURRENT: 424/489; 424/78.08, 424/78.17

22. Document ID: US 7112369 B2

L7: Entry 22 of 27

File: USPT

Sep 26, 2006

US-PAT-NO: 7112369

DOCUMENT-IDENTIFIER: US 7112369 B2

TITLE: Nano-sized polymer-metal composites

DATE-ISSUED: September 26, 2006

PRIOR-PUBLICATION:

DOC-ID DATE

US 20060083926 A1 April 20, 2006

INVENTOR-INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME US Hudson OH Wang; Xiaorong Hall; James E. Mogadore OH US US Bohm; Georg G. A. Akron OH ОН US Lin; Chenchy Jeffrey Hudson

US-CL-CURRENT: 428/403; 427/217, 427/222, 428/407

Full	Titl∈	Citation	Front	Review	Classification	Date	Reference Company Claims 1000 Draw C

☐ 23. Document ID: US 6956084 B2

L7: Entry 23 of 27 File: USPT Oct 18, 2005

US-PAT-NO: 6956084

DOCUMENT-IDENTIFIER: US 6956084 B2

TITLE: Nano-particle preparation and applications

DATE-ISSUED: October 18, 2005

INVENTOR-INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME Hudson OH Wang; Xiaorong Lin; Chenchy Jeffrey Hudson OH Hall; James Mogadore OH Warren; Sandra Massillon OH Belmont MA Krom; James JΡ Tokyo Kondo; Hajime JΡ Tokyo Morita; Koichi

US-CL-CURRENT: 525/313; 525/314, 525/332.2, 525/332.9

Full	Title	Citation	Front	Review	Classification	Date	Reference	EASTERN P	77.774	Claims	K001C	Drawe De
•												

24. Document ID: US 6875818 B2

L7: Entry 24 of 27 File: USPT Apr 5, 2005

US-PAT-NO: 6875818

DOCUMENT-IDENTIFIER: US 6875818 B2

Record List Display Page 12 of 13

TITLE: Polymer nano-strings

DATE-ISSUED: April 5, 2005

INVENTOR - INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Wang; Xiaorong Hudson OH

US-CL-CURRENT: 525/313; 525/314, 525/332.2, 525/332.9, 525/338, 525/339

Full Title Citation Front Review Classification Date Reference

\_\_\_\_ 25. Document ID: US 6872785 B2

L7: Entry 25 of 27

File: USPT

Mar 29, 2005

US-PAT-NO: 6872785

DOCUMENT-IDENTIFIER: US 6872785 B2

TITLE: Multi-layer nano-particle preparation and applications

DATE-ISSUED: March 29, 2005

INVENTOR - INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Wang; Xiaorong Hudson OH Foltz; Victor J. Akron OH

US-CL-CURRENT: 525/313; 525/314, 525/332.2, 525/332.9, 525/338, 525/339

Full Title Citation Front Review Classification Date Reference 🐷 😅 Claims KMC Draw, Do

☐ 26. Document ID: US 6689469 B2

L7: Entry 26 of 27 File: USPT Feb 10, 2004

US-PAT-NO: 6689469

DOCUMENT-IDENTIFIER: US 6689469 B2

TITLE: Crystalline polymer nano-particles

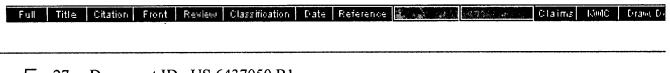
DATE-ISSUED: February 10, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Wang; Xiaorong Hudson OH
Foltz; Victor J. Akron OH
Sadhukhan; Pat Akron OH

US-CL-CURRENT: 428/403; 428/407, 525/313, 525/314, 525/332.2, 525/332.9



☐ 27. Document ID: US <u>6437050</u> B1

L7: Entry 27 of 27

File: USPT

Aug 20, 2002

US-PAT-NO: 6437050

DOCUMENT-IDENTIFIER: US 6437050 B1

TITLE: Nano-particle preparation and applications

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Krom; James

Belmont

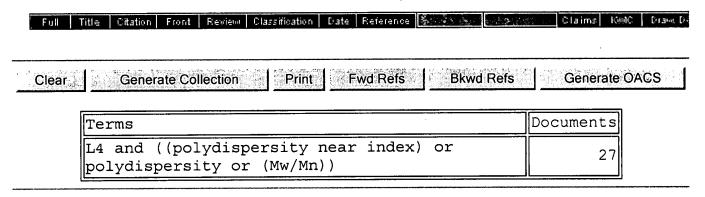
MΑ

Wang; Xiaorong

Hudson

OH

US-CL-CURRENT: 525/313; 525/314, 525/332.2, 525/332.9



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